



SmartBalance, suspended

SP482P LED40S/840 PSD ACC-MLO SM2 WH

SmartBalance Suspended Mounted, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI interface, Acrylate micro-lens optic clear

Although in many cases the functional lighting performance is key, customers are also keen to apply luminaires that are attractive and/or unobtrusive. Especially in applications where luminaires need to be surface-mounted or suspended, it can be difficult to satisfy both these requirements. SmartBalance is clearly the next step in surface-mounted and suspended luminaires for the specification market. It not only offers increased energy efficiency, but is also visually appealing without being intrusive. And its design helps to minimise clutter on the ceiling and meets all relevant office norms.

Warnings and Safety

- The product is IPXO & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If The above advice is not taken and The luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

Product data

General Information	
Lamp family code	LED40S [LED module, system flux 4000 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-

Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example

Datasheet, 2023, August 2 data subject to change

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Potential production and production of Lighting Exchandings (1) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a		value also represents the B10 value.	Housing Material	Polycarbonate
Lighting Technology IPP Optical cover material Acrylate Value ladder Sperification Fination material	Service tag	Yes	Reflector material	-
Value ladder Specification Peaktion material "Matter material "Total material "Mousing Color White Kernack Yes Opcidate convert mish 25 study 1340 mm Warranty period 5 years Opcidate convert mish 1340 mm 1340 mm EMEC mark CMEC loss mark Opcidate convert mish 22 mm 120 mm EMEC mark CMEC loss mark Temperature 690°C, Outdoon 53 120 mm 22 x20x x130 mm EMEC Mark CMEC loss mark 4 mmere 690°C, Outdoon 53 120 mm 190 Nmm protection code 190 Nmm protectical Code EMEC Mark 4.000 lon 4 perpose meterial neglection (see SEC compliant) 190 Nmm protectical Code 190 Nmm prote	Product family code	SP482P [SmartBalance Suspended Mounted]	Optic material	-
Embedded control 1 modes Control cover finish Featured Featured Karmark 5 years Optical cover finish Featured Featured Barmability mark 5 years Operall width 35 0 mm EMEC mark 1 more muring on normally flammable Operall width 32 0 mm EMEC mark 1 more properties of Sept Coursion 5 s 5 more properties of Sept Coursion 5 s 5 more properties of Sept Coursion 5 s EM Brit Scorpliant 2 more properties of Sept Coursion 5 s Approvail and Application 1 more properties of Sept Coursion 5 s Light Tackinkal 4 coll of Sept Coursion 5 s Impress protection code 1 pol (Nice protectied) Correlated Color Temperature (Nom) 4 colo of Sept Coursion 4 step	Lighting Technology	LED	Optical cover material	Acrylate
CE mank Yes Operation or portion or porting period Teve transpair or porting period Teve transpair or porting period Teve transpair or porting period Quesal length 1,540 mm EMEC mank EPEC plus mark Overall height 25 mm Overall height 25 mm EMEC mark EPEC plus mark Overall height 52 mm Overall height 25 x 240 x 1240 mm EMEC mark Temperature 650 °C, duration 5 s Temperature 650 °C, duration 5 s Temperature 600 °C, duration 5 s 25 mm Temperature 600 °C, duration 5 s EURH S compliant 4 vs Approval and Application 140 (live) (li	Value ladder	Specification	Fixation material	-
Warranty period 5 yess Overall length 3.40 mm Flammabilty mark Pormouting on normally flammables surfaces 400 mm 240 mm EMEC mark BEEC pius mark Dimensions (Height x Width x Depth) 52 x 240 x 1340 mm ELR BRHS complant Yes Approval and Application 100 x 20 x 20 x 20 x 1340 mm LUB ROHS Complant Yes Approval and Application 100 x 20 x 20 x 20 x 1340 mm LUB ROHS Complant 4000 lin 100 x 20 x	Embedded control	-	Housing Color	White
Pormability mark	CE mark	Yes	Optical cover finish	Textured
EMEC mark Surfaces Overall height 52 mm EMEC mark FixePolar mark Emperature 650°C, duration 5 s 52 x 240 x 1340 nm EU RoHS compliant Ves Approval and Application Light Technical Impress protection code IP40 (Wire-protected) Light Technical 4000 fm Protection class IEC 802 (20 21 standard) Liminous Efficacy (reded) (kmon) 2000 K 4000 kmole 4000 kmole Correlated Color Temperature (kmon) 2000 N Initial chromaticity (038 0.38) SCD (33 c.38) SCD (33 c.38) SCD (43 c.38) Color rendering index (CRI) 280 Luminous flux tolerance (-10% Color rendering index (CRI) 400 cuttal white (038 0.38) SCD (33 c.38) SCD (33 c.38) SCD (34 c.3	Warranty period	5 years	Overall length	1,340 mm
ENEC mark	Flammability mark	For mounting on normally flammable	Overall width	240 mm
Glow-wire test Temperature 650 °C. duration 5 s Approval and Application EU RotS compliant Yes Approval and Application Light Technical Images protection code IP-00 [Weep protected] Light Technical 4,000 [m Mech. Impact protection code IP-00 [Weep protected] Correlated Color Temperature (Nom) 4,000 [m Mech. Impact protection code IR-00 [Weep Color Protection Code] Luminous Efficacy (rated) (Nom) 40,000 [m Protection Cass IEC Safety class I Correlated Color Temperature (Nom) 40,000 [m Protection Cass IEC Safety class I Luminous Efficacy (rated) (Nom) 420 [m/W Initial Performance (IEC Compliant) Image: Color Protection Code (P-1,0% Beam angle of light source - degree(s) Initial chromaticity - /-10% Protection Code - Protection Code - Protection Code		surfaces	Overall height	52 mm
EURHS compliant	ENEC mark	ENEC plus mark	Dimensions (Height x Width x Depth)	52 x 240 x 1340 mm
Ingress protection code	Glow-wire test	Temperature 650 °C, duration 5 s		
Light Technical Londoor Blux 4,000 lm Mech. Impact protection close IK02 [0.2] standard] Correlated Color Temperature (Nom) 4,000 lm Protection class IEC Safety class I Luminous Efficacy (rated) (Nom) 122 lm/W Initial Performance (IEC Compliant) Color rendering Index (CRI) 880 Initial Chromaticity (0.38, 0.38) SDCM -3 Beam angle of light source - degree() Power consumption tolerance √-10% Uptice source color 480 neutral white Power consumption tolerance √-10% Opticat cover type Acrylate micro-lens optic clear Control gear failure rate at median useful life* ls 5% Unified glare rating CEN 16 Control gear failure rate at median useful life* ls ls Operating and Electrical 25 to 50 to 50 to 20 Product Data	EU RoHS compliant	Yes	Approval and Application	
Luminous Flux 4.000 lm Protection class IEC Safety class 1 Correlated Cofor Temperature (Nom) 4000 k 1 Luminous Efficacy (rated) (Nom) 122 In/W Initial Performance (IEC Compliant) Color rendering index (CRI) 280 Luminous flux toterance √-10% Number of light sources 1 Initial Chromaticity (0.38.0.38) SDCM ≺3 Beam angle of light source 640 neutral white 7-10% Optic type - Over Time Performance (IEC Compliant) Optic type - Over Time Performance (IEC Compliant) Optica cover type Acrylate micro-lene optic clear (Insection Conditions) Luminate light beam spread 100° Insection Conditions Unified glare rating CEN 100° Lumen maintenance at median useful life* Lis Lis Injust Voltage 250 to 240 V Application Conditions Lumen maintenance at median useful life* Lis Lis Inrush current 48 A Amaximum dlin level 1% Inrush current 290 to 240 V Maximum dlin level 1% Consection Push-in connector			Ingress protection code	IP40 [Wire-protected]
Correlated Color Temperature (Nom) 4 000 K Luminous Efficacy (rated) (Nom) 122 Im/W Initial Performance (IEC Compliant) ✓ 10% Color rendering index (CRI) ≥80 Luminous flux tolerance ✓ 1-10% Number of light sources 1 Initial Chromaticity (0.38, 0.38) SCM <3 Beam angle of light source - degree(s) Power consumption tolerance ✓ -10% Light source color 840 neutral white Vore Time Performance (IEC Compliant) Control gear failure rate at median useful 5 % Optical cover type Acrylate micro-lens optic clear Control gear failure rate at median useful 5 % Luminaire light beam spread 10° Lumen maintenance at median useful life* Life Unified glare rating CEN 16 Lumen maintenance at median useful life* Life Life Unified glare rating CEN 220 to 240 V Application Conditions Lumen maintenance at median useful life* Life Life <	Light Technical		Mech. impact protection code	IKO2 [0.2 J standard]
Luminous Efficacy (rated) (Nom) 122 lm/W Initial Performance (IEC Compliant) Color rendering index (CRI) 880 Luminous flux tolerance 1/-10% (0.38, 0.38) SOCM +3 Rendering index (CRI) (0.38, 0.38) SOCM +3 (0.38, 0.38) S	Luminous Flux	4,000 lm	Protection class IEC	Safety class I
Color rendering index (CRI) ≥80 Luminous flux tolerance 4/-10% Number of light sources 1 Initial chromaticity (0.38, 0.38) SDCM <3	Correlated Color Temperature (Nom)	4000 K		
Number of light sources 1 Initial chromaticity (0.38, 0.38) SDCM →3 Beam angle of light source cotor 404 neutral white Power consumption tolerance √-10% Optical cover type Acrylate micro-lens optic clear Control gear failure rate at median useful. 5 % 5 % Uminaire light beam spread 100° Lumen maintenance at median useful. 16 % 5 % Unified glare rating CEN 16 Lumen maintenance at median useful. 16 % 5 % Operating and Electrical 48A 50000 h 10 % United Products 50 to 50 Hz Performance ambient temperature 7 25 °C Invush durent 48A Maximum dim level 1% Invush current 48A Maximum dim level 1% Power Consumption 32 W Product Data Product Data Connection 9 ush-in connector 3-pole Order products an MCB of 16 A type 5 y482P LED405/840 PSD ACC-MLO SM2 Bull product name 5 y482P LED405/840 PSD ACC-MLO SM2 Full product code 871829126758400 Temperature Full product code 9715040038303 9715040038303	Luminous Efficacy (rated) (Nom)	122 lm/W	Initial Performance (IEC Compliant)	
Beam angle of light source - degree(s) Power consumption tolerance +/10% Light source color 840 neutral white - Cover Time Performance (IEC Compliant) Optical cover type - Acrylate micro-lens optic clear Chris gear failure rate at median useful life* by Special cover type 5 % Luminaire light beam spread 100° Lumen maintenance at median useful life* LBS 5 00000 h Operating and Electrical Lumen maintenance at median useful life* LBS 5 00000 h 1 00° Inrush current 48 A Application Conditions 1 00° 1	Color rendering index (CRI)	≥80	Luminous flux tolerance	+/-10%
Light source color 840 neutral white Optic type - Over Time Performance (IEC Compliant) Optical cover type Acrylate micro-lens optic clear Liminare light beam spread 100° life 50000 h Unified glare rating CEN 166 Unified glare rate at median useful life* L85 Unified glare rating at median useful life* L85 Unified glare r	Number of light sources	1	Initial chromaticity	(0.38, 0.38) SDCM <3
Optic type - Over Time Performance (IEC Compliant) Optical cover type Acrylate micro-lens optic clear Control gear failure rate at median useful 15% 5% Luminarie light beam spread 100° Lumen maintenance at median useful life* L85 50000 h Operating and Electrical 50000 h Lumen maintenance at median useful life* L85 50000 h Input Voltage 220 to 240 V Application Conditions Feromance ambient temperature 7g 25 °C Line Frequency 50 to 60 Hz Performance ambient temperature 7g 25 °C Inrush time 0.180 ms Maximum din level 1% Power Consumption 32 W Suitable for random switching No Connection Push-in connector 3-pole Order product Data P482P LED40S/840 PSD ACC-MLO SM2 Cable - WH Number of products on MCB of 16 A type 20 Full product name SP482P LED40S/840 PSD ACC-MLO SM2 B Vel Full product code 8718291267584400 Temperature 10 to 40 °C Material In. (IZNC) 910504083803 Material In. (IZNC) 9	Beam angle of light source	- degree(s)	Power consumption tolerance	+/-10%
Optical cover type Acrylate micro-lens optic clear Control gear failure rate at median useful. If \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Light source color	840 neutral white		
Luminaire light beam spread 100° life 50000 h Unified glare rating CEN 16 Lumen maintenance at median useful life* L85 50000 h Operating and Electrical Input Voltage 220 to 240 V Application Conditions Line Frequency 50 to 60 Hz Performance ambient temperature Tq 25 °C Inrush current 48 A Maximum dim level 1% Inrush time 0.180 ms Suitable for random switching No Power Consumption 32 W Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 3-pole Mumber of products on MCB of 16 A type 2 B Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product code 871829126758400 Temperature Order code 910504083803 Ambient temperature range 10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291267584 Numerator - Packs per outer box 1 EAN/UPC - Case 8718291267584	Optic type	-	Over Time Performance (IEC Compl	iant)
Unified glare rating CEN 16 Lumen maintenance at median useful life* LBS 50000 h Operating and Electrical Input Voltage 220 to 240 V Application Conditions Performance ambient temperature Tq 25 °C Inrush current 48 A Maximum dim level 1% 1% 1% 1% 1% 1% 1% 1	Optical cover type	Acrylate micro-lens optic clear	Control gear failure rate at median useful	5 %
50000 h Operating and Electrical Input Voltage 220 to 240 V Application Conditions Line Frequency 50 to 60 Hz Performance ambient temperature Tq 25 °C Inrush turent 48 A Maximum dim level 1% Inrush time 0.180 ms Subble for random switching No Power Consumption 32 W Product Data Connection Push-in connector 3-pole Order product name SP482P LED405/840 PSD ACC-MLO SM2 Control Push-in connector 3-pole Full product name SP482P LED405/840 PSD ACC-MLO SM2 B Full product code SP482P LED405/840 PSD ACC-MLO SM2 B Full product code SP482P LED405/840 PSD ACC-MLO SM2 B Full product code 91829126758400 Temperature Order code 910504083803 Ambient temperature range +10 to +40 °C Muserator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case <t< th=""><th>Luminaire light beam spread</th><th>100°</th><th>life 50000 h</th><th></th></t<>	Luminaire light beam spread	100°	life 50000 h	
Departing and Electrical Input Voltage 220 to 240 V Application Conditions Line Frequency 50 to 60 Hz Performance ambient temperature Tq 25 °C Inrush current 48 A Maximum dim level 1% Inrush time 0.180 ms Suitable for random switching No Power Consumption 32 W Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 3-pole Order product name SP482P LED40S/840 PSD ACC-MLO SM2 B	Unified glare rating CEN	16	Lumen maintenance at median useful life	* L85
Input Voltage 220 to 240 V Application Conditions			50000 h	
Line Frequency 50 to 60 Hz Performance ambient temperature Tq 25 °C Inrush current 48 A Maximum dim level 1% Inrush time 0.180 ms Suitable for random switching No Power Consumption 32 W Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 3-pole Order product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Number of products on MCB of 16 A type B B Temperature SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product code 871829126758400 Temperature Order code 910504083803 Ambient temperature range 10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291267584 Numerator - Packs per outer box 1 EAN/UPC - Case 8718291267584 EAN/UPC - Case 8718291267584	Operating and Electrical			
Inrush current 48 A Suitable for random switching No Power Consumption 32 W Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 3-pole Order product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Number of products on MCB of 16 A type B B Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Full product code 871829126758400 Temperature Temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 Controls and Dimming Yes Dimmable Yes Dimmable Yes Dimeriproduct one SP18291267584 Numerator - Packs per outer box 1 EAN/UPC - Product/Case 8718291267584 Numerator - Packs per outer box 1 EAN/UPC - Case 8718291267584	Input Voltage	220 to 240 V	Application Conditions	
No No No No No No No No	Line Frequency	50 to 60 Hz	Performance ambient temperature Tq	25 ℃
Power Consumption 32 W Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 3-pole Order product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Number of products on MCB of 16 A type B Full product code SP1829126758400 Full product code 871829126758400 Temperature Order code 910504083803 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Inrush current	48 A	Maximum dim level	1%
Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Order product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Cable - WH Number of products on MCB of 16 A type B 20 Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH B WH Temperature Full product code 871829126758400 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584	Inrush time	0.180 ms	Suitable for random switching	No
Connection Push-in connector 3-pole Order product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Cable - WH Number of products on MCB of 16 A type B 20 Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH B WH Temperature Full product code 871829126758400 Temperature Order code 910504083803 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Power Consumption	32 W		
Cable - WH Number of products on MCB of 16 A type 20 Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH B WH Temperature Full product code 871829126758400 Temperature Order code 910504083803 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Power Factor (Fraction)	0.9	Product Data	
Number of products on MCB of 16 A type 20 Full product name SP482P LED40S/840 PSD ACC-MLO SM2 WH Temperature Full product code 871829126758400 Temperature Order code 910504083803 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Connection	Push-in connector 3-pole	Order product name	SP482P LED40S/840 PSD ACC-MLO SM2
B	Cable	-		WH
Full product code 871829126758400	Number of products on MCB of 16 A type	20	Full product name	SP482P LED40S/840 PSD ACC-MLO SM2
Temperature Order code 910504083803 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	В			WH
Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910504083803 Numerator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI			Full product code	871829126758400
Numerator - Quantity Per Pack 1 Controls and Dimming EAN/UPC - Product/Case 8718291267584 Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Temperature		Order code	910504083803
Controls and Dimming Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Ambient temperature range	+10 to +40 °C	Material Nr. (12NC)	910504083803
Dimmable Yes Numerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI			Numerator - Quantity Per Pack	1
Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718291267584 Control interface DALI	Controls and Dimming		EAN/UPC - Product/Case	8718291267584
Control interface DALI	Dimmable	Yes	Numerator - Packs per outer box	1
	Driver/power unit/transformer	Power supply unit with DALI interface	EAN/UPC - Case	8718291267584
Constant light output No	Control interface	DALI		
	Constant light output	No		

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Dimensional drawing



